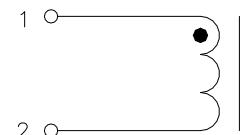




D

NOTES: UNLESS OTHERWISE SPECIFIED

1. PLASTIC: THERMOSET PLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
2. SOLDERABILITY: CONFORMS TO ANSI/J-STD-002, IPC/EIA J-STD-003A.
3. OPERATING TEMPERATURE:  $-40^{\circ}\text{C}$  TO  $+125^{\circ}\text{C}$  (INCLUDE THE TEMPERATURE RISE).
4. STORAGE TEMPERATURE:  $-40^{\circ}\text{C}$  TO  $+125^{\circ}\text{C}$ .
5. ALL PINS LENGTH DON'T INCLUDE TIN ICICLE.



SCHEMATIC

C

B

A

D

C

B

A

UNLESS OTHERWISE SPECIFIED, TESTING IS PERFORMED AT  
 $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$ 

1. INDUCTANCE: AT 100 kHz, 0.1 VRMS  
(1-2) = 245  $\mu\text{H} \pm 15\%$  AT 0 ADC  
(1-2) = 110  $\mu\text{H}$  MINIMUM AT 21 ADC
2. DCR:  
(1-2) = 48.7 mOHMS MAXIMUM

MX4	UPDATE THE L FROM 120UH TO 110UH AT 21A	10MAY2022
MX3	UPDATE WIRE DIAMETER FROM 17# TO 16#	15OCT2021
MX2	UPDATE THE CORE AND L	27SEP2021
MX1	PROTOTYPE DESIGN	03SEP2021
REV	DESCRIPTION	DATE
	REVISION HISTORY	
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07/01/2020-V01

4

3

2

1



D

C

B

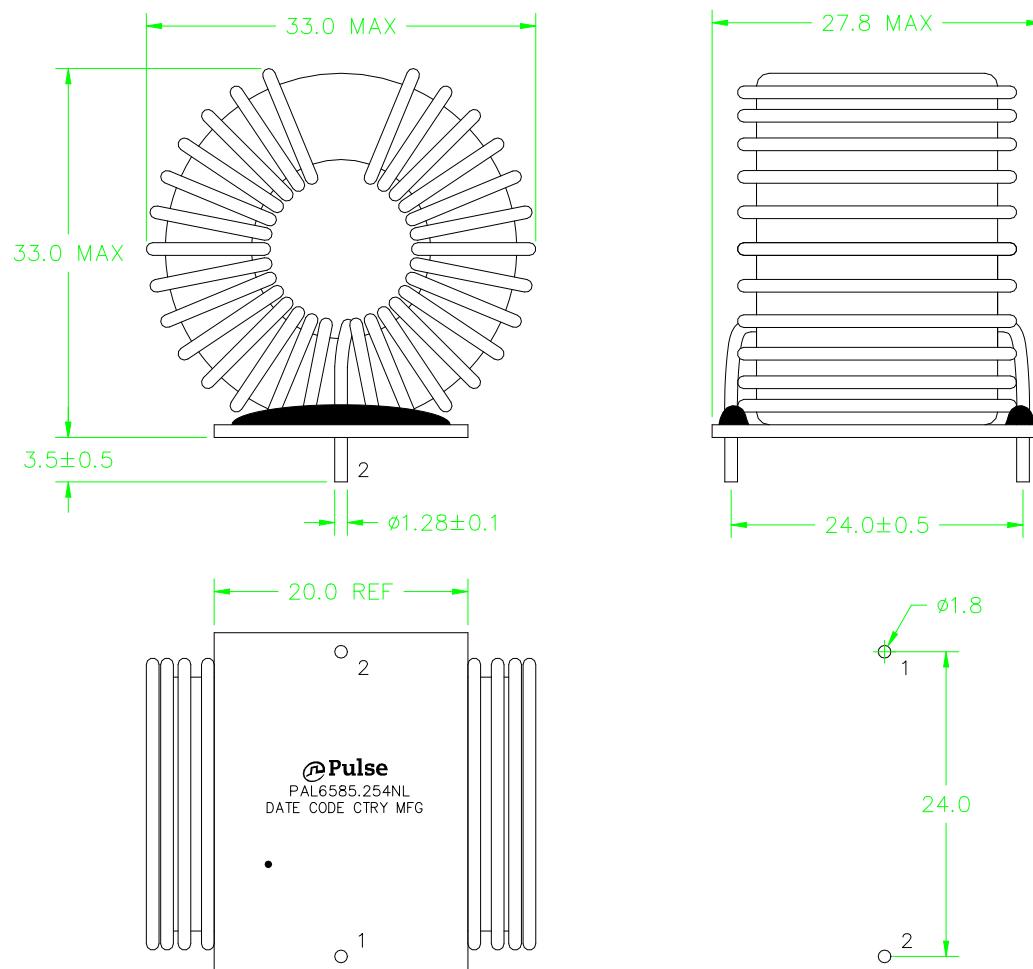
A

D

C

B

A



FINAL OUTLINE

SUGGESTED LAND PATTERN

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILLIMETERS  
TOLERANCES ARE:DECIMALS      ANGLES  
.X      ± 0.25      ± 1°  
.XX      ± 0.13

DO NOT SCALE DRAWING

METRIC

THIRD ANGLE PROJECTION

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07/01/2020-V01

PRODUCT DESCRIPTION  
INC,POWER,EDGE,245UH,T27,THTCUSTOMER  
CUSTOMERDESIGN ENGINEER  
JOHNSON/GEORGEPART NO.  
PAL6585.254NLSHEET  
2 / 2REV.  
MX4

4

3

2

1